

What is claimed is:

1. A support system for parts standardization for selecting standard parts from plural parts, which comprises:

5 a first database storage for storing data representing attributes of the plural parts,

a second database storage for storing standardization parameter data that are criteria on judgment whether the plural parts are standard parts or not,

10 a nearby range input device for preparing a nearby range data upon inputting of numerals corresponding to a parameter name, and

a standard parts judging apparatus for judging whether the plural parts are standard parts or not, based upon the databases, standardization parameter data and nearby range data.

15 2. The support system as defined in claim 1, which further comprises a display for displaying the standardization parameter.

3. The support system as defined in claim 1, wherein the standard parts are exchangeable with as many parts as possible, and are ones that have much effect of reduction in cost of designing or production as possible, wherein the databases are numerals representing contours of the parts, and wherein the nearby range data constitute pairs of the parameter name and the inputted numerals, receiving inputting of the parameter names and the numerals.

25 4. The support system as defined in claim 1, wherein the standard parts judging apparatus reads out the data and the standardization parameters stored in the standardization parameter database, and

judges whether the plural parts corresponding to the data read out by the nearby range data are similar parts or not, and judges whether the parameter data of the similar parts are collected to judge whether the parts are standard parts or not.

- 5 5. A support system for parts standardization that selects suitable parts from data of plural parts, which comprises:
- a database storage for storing data representing attributes of the plural parts,
  - an actual production database storage for storing data of actual
  - 10 production of the plural parts,
  - a nearby range inputting apparatus for preparing nearby range data by receiving a nearby range value corresponding to names of attributes, and
  - a standard parts judging apparatus for reading out the data
  - 15 stored in the database, and the actual production data, selecting standard parts from the read out data of the plural parts, and outputting data of the standard parts.
6. The support system for parts standardization as defined in claim 5, which further comprises a display for displaying data of the standard
- 20 parts.
7. The support system for parts standardization as defined in claim 5, wherein the actual production data represent a quantity of production produced by a company to which designers of the plural parts belong or by another company to which the company issued orders.
- 25 8. A supporting method for standardizing parts, which comprises

selecting suitable parts as standard parts from data of plural parts,  
wherein data representing attributes of the plural parts, an actual  
production data representing quantity of the plural parts, and a nearby  
range data are used to select standard parts, and the data of the  
5 standard parts are displayed.

9. The method for standardizing parts as defined in claim 8, wherein  
the data of the standard parts are displayed on a display.

10. The method for standardizing parts as defined in claim 8, wherein  
the data are stored in a database different from the database for storing  
10 the data of the actual production, and the nearby range data are  
prepared by receiving the nearby range corresponding to the attributes.

11. A computer program for supporting parts standardization, which  
comprises executing on a computer the steps of:

selecting suitable parts as standard parts from data of plural parts,  
15 wherein data representing attributes of the plural parts, an actual  
production data representing quantity of the plural parts, and a nearby  
range data are used to select standard parts, and data of the standard  
parts are displayed.

12. A information recording medium which stores a computer  
20 program that is readable by a computer, the program being able to  
realize the steps of: selecting suitable parts as standard parts from data of  
plural parts, wherein data representing attributes of the plural parts, an  
actual production data representing quantity of the plural parts, and a  
nearby range data are used to select standard parts, and data of the  
25 standard parts are displayed.